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| **Organelle** | **Appearance/ composed of** | **Function** |
| Vacuole |  |  |
|  |  | Makes lipids and hormones |
| Cytoplasm |  |  |
|  |  | Regulates what comes in and out of the cell |
|  | Very small and in prokaryotes too |  |
|  |  | Ships products out of the cell. |
|  | Around nucleus and has a bumpy appearance |  |
|  |  | Give structure and support to plant cells |
| Central Vacuole |  |  |
|  |  | Converts sun energy to chemical energy in plants |
|  | Bean shaped has a inner membrane called cristae |  |
|  |  | Houses the DNA and called the “control center” |
|  | Center part of the nucleus |  |
| Nuclear membrane |  |  |
| Centrosome |  |  |
|  |  | Breaks down food and invaders |
| Microtubules |  |  |
|  | Holes in the nucleus |  |